



SUBSITITUTE SPECIFICATION

TITLE OF THE INVENTION

Nectarine Tree 'S 6606'

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CROSS REFERENCE TO RELATED APPLICATIONS

None

PRIORITY CLAIM

10 This application claims priority of U.S. Provisional patent application Ser. No. 60/404,079 filed August 15, 2002.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

None

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LATIN NAME OF THE GENUS AND SPECIES OF THE PLANT CLAIMED

Prunus persica L. Batsch

VARIETY DENOMINATION

20 'S 6606'

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

FIG. 1 shows the tree and blossoms of 'S 6606';

FIG. 2 shows the blossoms of 'S 6606';

FIG. 3 shows the leaves of 'S 6606'; and

5 FIG. 4 shows the fruit of 'S 6606'.

BRIEF DESCRIPTION OF THE VARIETY:

The new nectarine tree 'S 6606' originated as a seedling resulting from a controlled cross of 'Jalousia' x 'Summergrand' (seed parent, not patented) and 'Fantasia' (pollen parent, not 10 patented). Originally bred and tested by the Institut National de la Recherche Agronomique (INRA) in France, 'S 6606' has been asexually propagated by grafting in France and in Parker, Washington, USA, and has been observed to remain true to type over successive asexually propagated generations.

'S 6606' was selected for its broad oblate shape and pleasant sub-acid flavor. While 15 similar in many respects to 'S 6816' (plant patent pending), the fruit of 'S 6606' matures one to two weeks later. It has also been observed that the leaves of 'S 6606' are longer than those of 'S 6816.'

DETAILED BOTANICAL DESCRIPTION OF THE VARIETY:

20 The following detailed botanical description is based on observations of four year old trees made during the 2004 growing season at Parker, Washington. All colors are described according to the Royal Horticultural Society Colour Chart. It should be understood that the characteristics

described will vary somewhat depending upon cultural practices and climatic conditions, and can vary with location and season. Quantified measurements are expressed as an average of measurements taken from a number of individual plants of the new variety. The measurements of any individual plant, or any group of plants, of the new variety may vary from the stated average.

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Tree

	Type	Non-spur type
	Vigor	Medium
	Habit	Upright
10	Size	Width 2.2 m; height 3.9 m
	Production	Heavy

Trunk

	Size	Diameter 34.1 at base
	Bark	Texture varies; color grey 201D on very rough bark; greyed-purple 183A on rough bark; greyed-purple 184A on smooth bark
	Lenticels	Large, prominent, length 0.8 to 1.1 cm; 10 per square inch; color orange-white 159A

Flowering Branch

20	Size	Length 50.8 cm; diameter 1.6 cm
	Texture	Smooth
	Length of internodes	Medium, 2.2 to 2.5 cm

	Color	Greyed-purple 184A
	Anthocyanin coloration	Present
	Intensity of anthocyanin coloration	Medium
Flowers		
5	Abundance of flower buds	Medium
	Distribution of flower buds	Generally in groups of two or more
	Time of beginning of flowering	Bud burst March 18; bloom period March 21 to April 6, 2005
10	Buds	Length 0.8 to 0.9 cm; elongated with rounded tip; color red-purple 59A, tip red-purple 63B; hardy
	Flower shape	Rosaceous
	Flower size	Diameter 3.6 to 3.9 cm
	Calyx color (open flower before falling of petals)	Orange
15	Petals	Quantity 5; overlapping; large, length 1.5 to 1.6 cm, width 1.4 to 1.5 cm; margins ruffled; petal texture smooth; color upper surface red-purple 62D, lower surface red-purple 61D
	Number of pistils	Always one
	Position of stigma compared to anthers	Below
20	Stamen length compared to petals	Shorter
	Anthers	Size 0.05 cm; color greyed-red 180A; pollen present, yellow 1A
	Pubescence of ovary	Absent

	Stamen	Quantity 36; length 1.0 to 1.2 cm; color red-purple 62D
	Filament	Size 0.9 to 1.1 cm
	Pistil	Size 1.0 to 1.2 cm; color yellow 1A
	Sepals	Length 0.5 to 0.6 cm; width 0.3 to 0.4; color red-purple
5		59A
	Leaves	
	Time of leaf bud burst	Medium
	Size	Medium, length 13.0 cm, width 4.0 cm
	Ratio length/width	Medium
10	Profile	Flat
	Curvature of tip	Recurved downward
	Angle at base	Nearly right angle
	Angle at top	Medium
	Anthocyanin coloration	Absent
15	Color	Yellow-green 146A with yellow-green 146D spots
	Petiole	
	Length	Medium
	Nectaries	Present
	Shape of nectaries	Kidney-shaped
20	Number of nectaries	Normally two
	Fruit	
	Size	Small, diameter 7.0 cm; height 4.0 cm

	Shape in profile view	Broad oblate
	Shape of tip	Bowl shaped depressed
	Symmetry when cut along suture	Symmetric
	Suture	Marked
5	Depth of petiole cavity	Broad
	Width of petiole cavity	Broad
	Color of skin	Ground color orange-red 34B; over color red-purple 59A
	Extension of anthocyanin coloration of skin	Very large
	Pubescence	Absent
10	Thickness of skin	Medium
	Adherence of skin	Medium
	Firmness of flesh	Very firm
	Anthocyanin coloration directly under skin	Absent
	Anthocyanin coloration around the stone	Absent
15	Texture of the flesh	Not fibrous, fine
	Sugar content of flesh	High, Brix 13.5
	Color of flesh	Yellow 16C; color near seed yellow N30A
	Flavor	Sub-acid, skin slightly tart
	Stone	
20	Size compared to fruit	Small, diameter 2.5 cm
	Shape	Flat; ridged; pitted
	Color	Red-purple 59B

Likelihood of stone to split Absent or very weak

Adherence to flesh Yes

Degree of adherence to flesh Medium

Maturity

5	Time of maturity	Early
	Duration	Multiple pickings
	Preharvest drop	Absent or minimal
	Time of falling of leaves	Medium
	Resistance to pests and diseases	None noted